

180 181 180 181 180 181



FIG.1A FIG.1B FIG.1C

# I. Amplification primers

TGL 105: 5'-TTCTTCTTGCATCTATGTTTCG-3'

TGL 106: 5'-TTAAGCACCACCACAGGTCCT-3'

# II. Polymorphism detection primers

TGL 182: 5'-GCCTTGGCGTTGTAGAA-3'

TGL 166: 5'-AGAGAAACAATTTCAAG-3'

# III. Target sequence

5' ...TTTCTTCTTG CATCTATGTT CGTTTTTCT ATTGCTACAA 40  
           TGL 105 ----->  
           ATGCCTATGC ACGGCCTGAC TTCTGCCTAG AGCCTCCATA 80  
           TACGGGTCCC TGCAAGGCCA GAATTATCAG ATA<sup>C</sup>/TTTCTAC 120  
           AACGCCAAGG CTGGGCTCTG CCAGACCTTT GTATATGGTG 160  
           <----- TGL 182  
           GCTGCAGAGC TAAGAGAAAC AATTTCAAG<sup>A</sup>/G GCGCAGAGGA 200  
                           TGL 166 ----->  
           CTGCATGAGG ACCTGTGGTG GTGCTTAAGG GCCCCCGGGAA..3'240  
                           <----- TGL 106

# IV. Polymorphisms

<u>Plasmid</u>	<u>Nucleotide 114</u>	<u>Nucleotide 190</u>
p183	C	A
p624	T	A
p814	C	G

FIG.2

A B C D

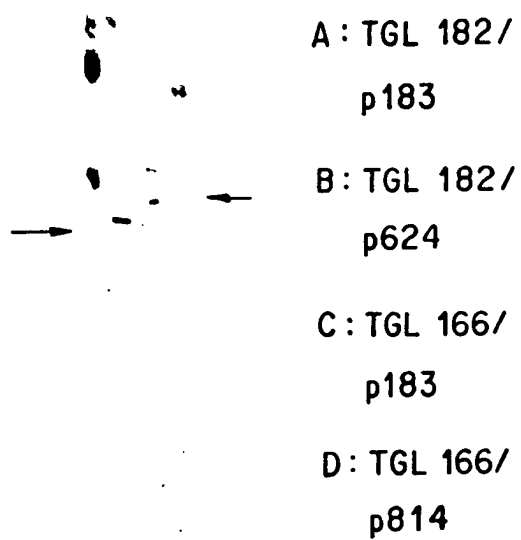


FIG.3

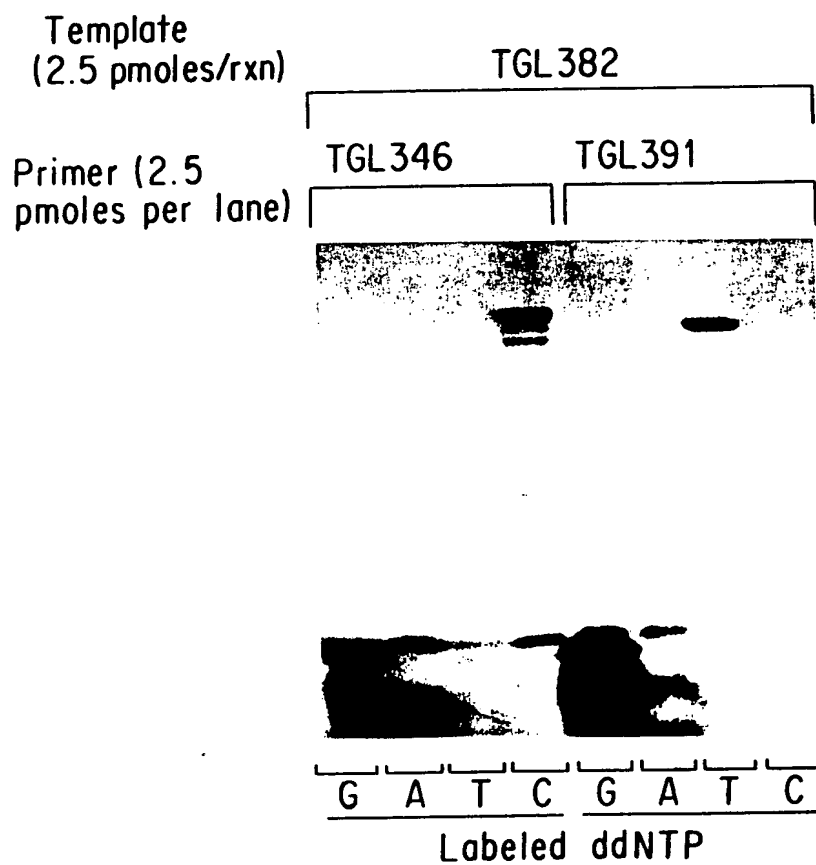
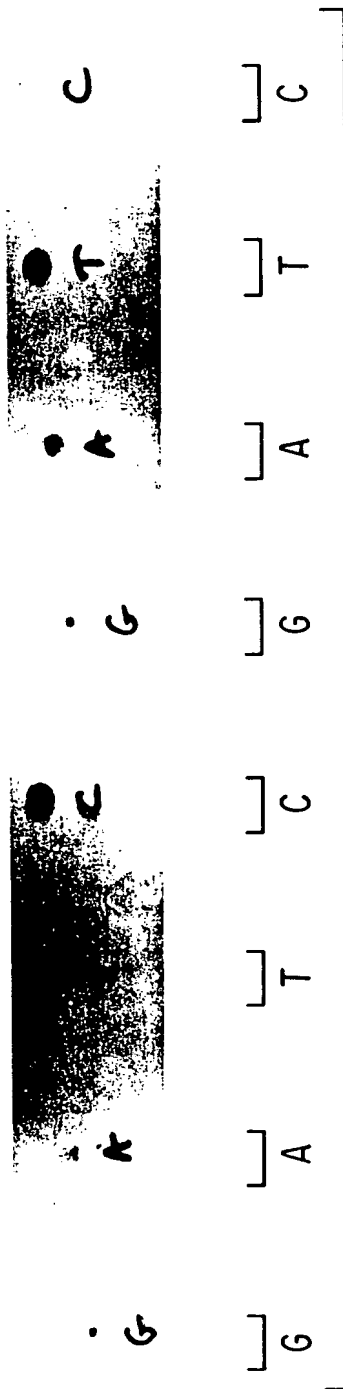


FIG.4

TEMPLATE: TGL 382 (2.5 pmoles/rxn)

PRIMER: **TGL346** (2.5 pmoles/rxn) PRIMER: **TGL391** (2.5 pmoles/rxn)



LABELLED ddNTP

FIG.5

Attached to bead

5' AGATGATGCT TTTGTGCAA ACACITTTTA ACACCTCTTT TAAATTTCT TTCAAATTTCT ACGGCATTTT  
TGL240 (PCR Primer with Biotin)

TTTCCTGAAA ATGCTTCGGT TTTAGGTCAA AGCTTTATTC TCCTAAGAAC CTAACCTCCA CTGGTCTCAG

GGCCCTCTIC GGAGCCCTCG GGGAGTCTTT GCCCCCAAT CTGGCATTC TCCCCTGACA CTCGCCCAAG

GCCCCTAACC TGCACCCGGG TGL308 5' TTGGTCCGT GGTCGCCAG ACTCCGA 3' CACCAGGCA CCACGGGTC TGAGGCTTCA GCAGGAAGG CCTGCTCTCC  
GA T C B allele differences

TGL239 (Non-biotinylated PCR Primer)  
3' GTCCAC AGCCCTGAGT CCATAACT 5'  
GTTCACTG CTTTCAGGC CGCAGGGTG TCGGGACTCA GGTATTGA 3'

FIG.6



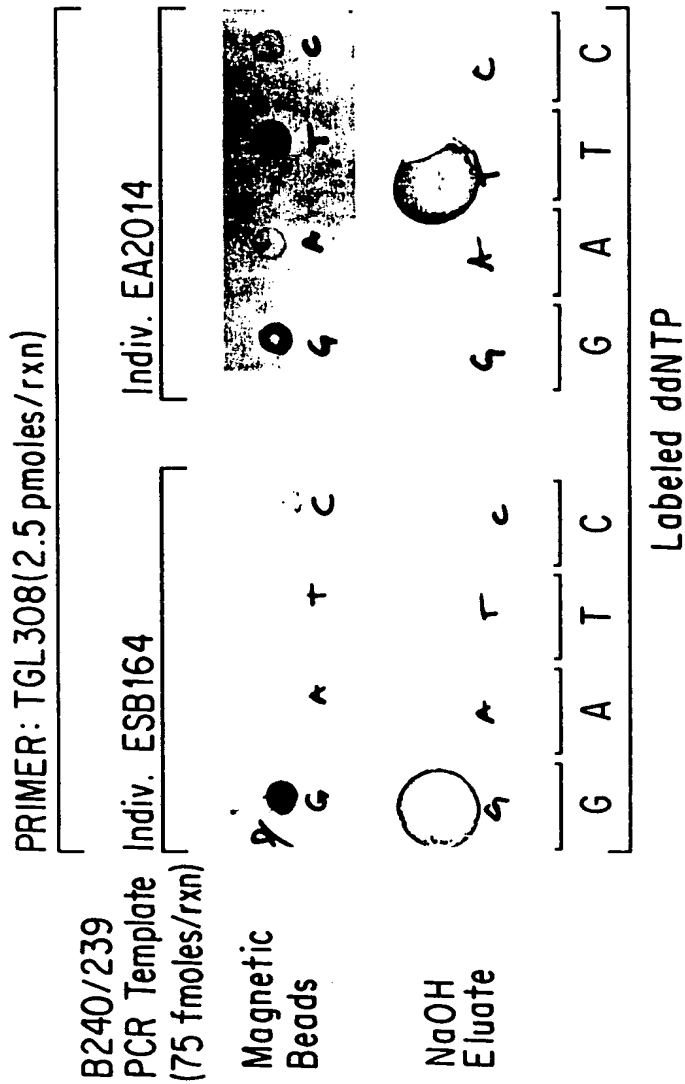


FIG.8